Wishbone Classics
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Wishbone Classics Camshaft # WBC783IKv1

	Intake	Exhaust
Seat Duration	292°	296°
0.050" Duration	242.1°	241.1°
Cam Lobe Lift	0.306"	0.300"
Gross Valve Lift	0.5049" (1.65:1 Rocker) 0.5508" (1.80:1 Rocker)	0.495" (1.65:1 Rocker) 0.540" (1.80:1 Rocker)
Hot Valve Lash	0.016" (1.65:1 Rocker) 0.017" (1.80:1 Rocker)	
Net Valve Lift	0.4889" (1.65:1 Rocker) 0.5338" (1.80:1 Rocker)	0.479" (1.65:1 Rocker) 0.523" (1.80:1 Rocker)
Lobe Separation Angle	104 degrees	

Install camshaft with stock timing marks. In the case of many aftermarket camshaft and crankshaft timing gears, no marks are provided. You must make your own. Alternatively, install cam using the full intake lift method. Camshaft should be installed with full intake lift occurring at 103 degrees ATDC.

Verify the cam is installed correctly by observing the following 0.050" events (with zero lash):

Intake Open:	18.05° ATDC	Exhaust Open:	45.55° BBDC
Full Intake Lift @	103° ATDC	Full Exhaust Lift @	105° BTDC
Intake Closes:	44.05° ABDC	Exhaust Closes:	15.55° BTDC

Set initial cold valve lash at 0.014" for 1.65 rockers or 0.015" for 1.80 rockers. When the engine is hot, check to make sure the valve lash has grown to 0.016" or 0.017" respectively. It is the **hot valve lash** that is important and that the cam is designed for. If the hot valve lash is not to spec, allow the engine to cool and then re-set the valve lash by the cold-to-hot difference that you measured so that it comes out to the correct dimension when the engine is hot.

When engine starts up with new cam for the first time, run the engine at 2500RPM for 20-25 minutes continuously for the cam and lifters to break-in properly. We recommend the use of Chevron Delo 15W40 diesel engine oil as both an installation lubricant, break-in oil, and regular use oil. Shell Rotella 15W40 diesel may also be used. We advise against the use of oil supplements or boutique oils which have not undergone the riggers of API dynamic oil testing.

The cam is designed to work with WBC supplied springs & shims. Max RPM is 7500.

Valve Spring Force <u>Minimum</u> Requirements		
Intake	59 lbf seat force (closed)	229 lbf @ 0.534" valve lift
Exhaust	59 lbf seat force (closed)	228 lbf @ 0.523" valve lift